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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,649	12/30/2003	Lai-Cheng Chen	12193-US-PA	1648

31561 7590 11/01/2005

JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE
7 FLOOR-1, NO. 100
ROOSEVELT ROAD, SECTION 2
TAIPEI, 100
TAIWAN

EXAMINER

COLON, GERMAN

ART UNIT PAPER NUMBER

2879

DATE MAILED: 11/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/707,649	Applicant(s) CHEN ET AL.	
	Examiner German Colón	Art Unit 2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 2, 3, 6 and 8-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Kuribayashi et al. (US 6,215,244).

Regarding claims 1 and 8, Kuribayashi discloses a package of an organic EL display panel and a method of forming said package (see at least Figs. 17 and 23), comprising:

an organic EL display panel, having a plurality of first contacts **41** (see Fig. 17 in view of at least Figs. 5 and 13);

a cover plate (see Fig. 15), having a control circuit and a plurality of second contacts **131**, wherein the second contacts are electrically connected (via layer **121**) with the first contacts for controlling the organic EL display via the control circuit; and

a frame **171 (211)**, connecting between the organic EL display and the cover plate.

Regarding claim 2, Kuribayashi discloses the EL display comprising a plurality of bumps **121** (see Fig. 17 in view of Fig. 12) electrically connecting the first contacts and the second contacts.

Regarding claims 3 and 11, Kuribayashi discloses a silver paste electrically connecting the first contacts and the second contacts (see Col. 6, line 67 to Col. 7, line 3; and Col. 8, line 58).

Regarding claim 6, Kuribayashi discloses the frame comprising an epoxy resin (see at least Col. 7, lines 59-61; and Col. 9, line 17).

Regarding claims 9 and 10, Kuribayashi discloses the step of forming a plurality of bumps on the first and the second contacts (see Fig. 17 in view of Fig. 12).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 4, 5, 7, 8, 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shimoda et al. (US 2002/0158577) in view of Rogers (US 6,081,071).

Referring to claims 1 and 8, Shimoda discloses a package of an organic EL display and a method of making said panel (see Figs. 1-3), comprising:

an organic EL display (see Fig. 2) having a plurality of first contacts **26**; and

a cover plate **10** (see Fig. 1) having a control circuit and a plurality of second contacts **14**, wherein the second contacts are electrically connected with the first contacts for controlling the organic EL display (see Fig. 3).

Shimoda discloses the step of bonding the organic EL display and the cover plate and shows a cross section of the central portion of the device, but it is silent regarding the specific structure (frame) used for sealing at a periphery of the device.

However, in the same field of endeavor, Rogers discloses a package of an organic EL display and teaches to provide a frame connecting an organic display and a cover plate (see Figs. 1-3) with the purpose of protecting the organic EL display from the detrimental effects of water, oxygen and other environmental elements, therefore increasing the life of the display (see at least Col. 1, lines 35-45; and Col. 2, lines 15-20). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a sealing frame to the package of Shimoda, in order to protect the organic EL display from the detrimental effects of water, oxygen and other environmental elements, therefore increasing the life of the display.

Referring to claims 4-5, Shimoda discloses the display further comprising an ACP or and ACF electrically connecting the first contacts and the second contacts (see paragraph [0034], lines 12-13).

Referring to claim 7, Shimoda-Rogers discloses the frame (see US '071) comprising a first sub-frame **22** and a second sub-frame **30**, the first sub-frame surrounding the second sub-frame and the second sub-frame being a moisture-absorption material.

Referring to claims 12-13, the claims are rejected over the reasons stated in the rejection of claims 4-5.

Prior Art of Record

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Roach et al. ('978) discloses a package of an OLED having first contacts and second contacts connected by a silver bump.

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Park et al. ('936) claims a package of an OLED that reads on at least claims 1 and 8.

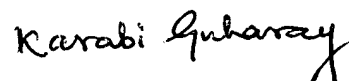
Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to German Colón whose telephone number is 571-272-2451. The examiner can normally be reached on Monday thru Thursday, from 8:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


gc


KARABI GUHARAY
PRIMARY EXAMINER